

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

SQL> cl scr

SQL> SET AUTOTRACE ON EXPLAIN

SQL> SELECT Deptno, SUM(Sal) SalSum
2 FROM Emp
3 GROUP BY Deptno;

DEPTNO	SALSUM
30	9400
20	10875
10	8750

Execution Plan

Plan hash value: 4067220884

Id	Operation	Name	Rows	Bytes	Cost (%CPU)	Time
0	SELECT STATEMENT		14	364	4 (25)	00:00:01
1	HASH GROUP BY		14	364	4 (25)	00:00:01
2	TABLE ACCESS FULL	EMP	14	364	3 (0)	00:00:01

Note

- dynamic sampling used for this statement

SQL> SELECT SUM(Sal) OrgSal
2 FROM Emp;

ORGSAL
29025

Execution Plan

Plan hash value: 2083865914

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038

Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
--
--
| Id | Operation | Name | Rows | Bytes | Cost (%CPU) | Time
|
-----
| 0 | SELECT STATEMENT | | 1 | 13 | 3 (0) | 00:00:01
|
| 1 | SORT AGGREGATE | | 1 | 13 | |
|
| 2 | TABLE ACCESS FULL | EMP | 14 | 182 | 3 (0) | 00:00:01
|
-----
--
```

Note

- dynamic sampling used for this statement

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Deptno, SUM(Sal) SalSum, OrgSal
2 FROM Emp,
3 (
4 SELECT SUM(Sal) OrgSal
5 FROM Emp
6 )
7* GROUP BY Deptno, OrgSal
SQL> /
```

DEPTNO	SALSUM	ORGSAL
10	8750	29025
20	10875	29025
30	9400	29025

Execution Plan

Plan hash value: 3003679369

```
--
--
| Id | Operation | Name | Rows | Bytes | Cost (%CPU) | Time
|
-----
|
```

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038

Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
-----
| 0 | SELECT STATEMENT | | 14 | 546 | 7 (15) |
00:00:01 |
| 1 | HASH GROUP BY | | 14 | 546 | 7 (15) |
00:00:01 |
| 2 | NESTED LOOPS | | 14 | 546 | 6 (0) |
00:00:01 |
| 3 | VIEW | | 1 | 13 | 3 (0) |
00:00:01 |
| 4 | SORT AGGREGATE | | 1 | 13 | |
|
| 5 | TABLE ACCESS FULL| EMP | 14 | 182 | 3 (0) |
00:00:01 |
| 6 | TABLE ACCESS FULL | EMP | 14 | 364 | 3 (0) |
00:00:01 |
-----
```

Note

- dynamic sampling used for this statement

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Deptno, SUM(Sal) SalSum,
2 (
3 SELECT SUM(Sal)
4 FROM Emp
5 ) OrgSal
6 FROM Emp
7* GROUP BY Deptno
SQL> /
```

DEPTNO	SALSUM	ORGSAL
30	9400	29025
20	10875	29025
10	8750	29025

Execution Plan

Plan hash value: 2065184867

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038

Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

Id	Operation	Name	Rows	Bytes	Cost (%CPU)	Time
0	SELECT STATEMENT		14	364	4 (25)	00:00:01
1	SORT AGGREGATE		1	13		
2	TABLE ACCESS FULL	EMP	14	182	3 (0)	00:00:01
3	HASH GROUP BY		14	364	4 (25)	00:00:01
4	TABLE ACCESS FULL	EMP	14	364	3 (0)	00:00:01

Note

- dynamic sampling used for this statement

SQL> ED

Wrote file afiedt.buf

```
1  SELECT Deptno, SUM(Sal) SalSum
2  FROM Emp
3  GROUP BY Deptno
4  UNION
5  SELECT NULL, SUM(Sal)
6* FROM Emp
SQL> /
```

DEPTNO	SALSUM
10	8750
20	10875
30	9400
	29025

Execution Plan

Plan hash value: 768573151

Id	Operation	Name	Rows	Bytes	Cost (%CPU)	Time
----	-----------	------	------	-------	-------------	------

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038

Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
-----
| 0 | SELECT STATEMENT | | 15 | 377 | 9 (67) |
00:00:01 |
| 1 | SORT UNIQUE | | 15 | 377 | 9 (67) |
00:00:01 |
| 2 | UNION-ALL | | | | |
|
| 3 | HASH GROUP BY | | 14 | 364 | 5 (40) |
00:00:01 |
| 4 | TABLE ACCESS FULL| EMP | 14 | 364 | 3 (0) |
00:00:01 |
| 5 | SORT AGGREGATE | | 1 | 13 | 4 (25) |
00:00:01 |
| 6 | TABLE ACCESS FULL| EMP | 14 | 182 | 3 (0) |
00:00:01 |
-----
```

Note

- dynamic sampling used for this statement

```
SQL> SELECT Deptno, SUM(Sal) SalSum
2 FROM Emp
3 GROUP BY ROLLUP(Deptno);
```

DEPTNO	SALSUM
10	8750
20	10875
30	9400
	29025

Execution Plan

Plan hash value: 52302870

```
-----
| Id | Operation | Name | Rows | Bytes | Cost (%CPU) | Time |
|-----|-----|-----|-----|-----|-----|-----|
| 0 | SELECT STATEMENT | | 14 | 364 | 4 (25) | |
00:00:01 |
-----
```

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038

Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
-----
| 1 | SORT GROUP BY ROLLUP|      | 14 | 364 | 4 (25) |
00:00:01 |
| 2 | TABLE ACCESS FULL | EMP | 14 | 364 | 3 (0) |
00:00:01 |
-----
```

Note

- dynamic sampling used for this statement

SQL> --rs = Execute.Query('SELECT * FROM Emp');

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Deptno, COUNT(*) Staff, SUM(Sal) SalSum
2 FROM Emp
3* GROUP BY ROLLUP(Deptno)
SQL> /
```

DEPTNO	STAFF	SALSUM
10	3	8750
20	5	10875
30	6	9400
	14	29025

Execution Plan

Plan hash value: 52302870

```
-----
| Id | Operation | Name | Rows | Bytes | Cost (%CPU) | Time |
|-----|-----|-----|-----|-----|-----|-----|
| 0 | SELECT STATEMENT | | 14 | 364 | 4 (25) | 00:00:01 |
| 1 | SORT GROUP BY ROLLUP | | 14 | 364 | 4 (25) | 00:00:01 |
| 2 | TABLE ACCESS FULL | EMP | 14 | 364 | 3 (0) | 00:00:01 |
-----
```

Note

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038

Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

- dynamic sampling used for this statement

SQL> ED

Wrote file afiedt.buf

```
1  SELECT
2  Deptno,
3  COUNT(*) Staff,
4  SUM(Sal) SalSum,
5  AVG(Sal) SalAvg
6  FROM Emp
7* GROUP BY ROLLUP(Deptno)
SQL> /
```

DEPTNO	STAFF	SALSUM	SALAVG
10	3	8750	2916.66667
20	5	10875	2175
30	6	9400	1566.66667
	14	29025	2073.21429

Execution Plan

Plan hash value: 52302870

Id	Operation	Name	Rows	Bytes	Cost (%CPU)	Time
0	SELECT STATEMENT		14	364	4 (25)	00:00:01
1	SORT GROUP BY ROLLUP		14	364	4 (25)	00:00:01
2	TABLE ACCESS FULL	EMP	14	364	3 (0)	00:00:01

Note

- dynamic sampling used for this statement

SQL> ED

Wrote file afiedt.buf

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038

Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
1  SELECT
2  Deptno,
3  COUNT(*) Staff,
4  TO_CHAR(SUM(Sal), '99G999D99') SalSum,
5  TO_CHAR(AVG(Sal), '99G999D99') SalAvg
6  FROM Emp
7* GROUP BY ROLLUP(Deptno)
SQL> /
```

DEPTNO	STAFF	SALSUM	SALAVG
10	3	8,750.00	2,916.67
20	5	10,875.00	2,175.00
30	6	9,400.00	1,566.67
	14	29,025.00	2,073.21

Execution Plan

Plan hash value: 52302870

Id	Operation	Name	Rows	Bytes	Cost (%CPU)	Time
0	SELECT STATEMENT		14	364	4 (25)	
1	SORT GROUP BY ROLLUP		14	364	4 (25)	
2	TABLE ACCESS FULL	EMP	14	364	3 (0)	

Note

- dynamic sampling used for this statement

```
SQL> cl scr
```

```
SQL> SELECT
2  Job,
3  SUM(Sal)
4  FROM Emp
5  GROUP BY ROLLUP(Job);
```

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038

Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
JOB          SUM(SAL)
-----
ANALYST      6000
CLERK        4150
MANAGER      8275
PRESIDENT    5000
SALESMAN     5600
              29025
```

6 rows selected.

Execution Plan

Plan hash value: 52302870

```
-----
| Id | Operation | Name | Rows | Bytes | Cost (%CPU) | Time |
|-----|-----|-----|-----|-----|-----|-----|
| 0 | SELECT STATEMENT | | 14 | 266 | 4 (25) | 00:00:01 |
| 1 | SORT GROUP BY ROLLUP | | 14 | 266 | 4 (25) | 00:00:01 |
| 2 | TABLE ACCESS FULL | EMP | 14 | 266 | 3 (0) | 00:00:01 |
-----
```

Note

- dynamic sampling used for this statement

```
SQL> SELECT Ename, SUM(Sal) SalSum
2 FROM Emp
3 GROUP BY Ename;
```

```
ENAME          SALSUM
-----
JONES          2975
ALLEN          1600
FORD           3000
CLARK          2450
MILLER         1300
WARD           1250
```

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038

Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
SMITH          800
MARTIN        1250
TURNER        1500
SCOTT         3000
ADAMS         1100
KING          5000
BLAKE         2850
JAMES         950
```

14 rows selected.

Execution Plan

Plan hash value: 4067220884

```
--
| Id | Operation | Name | Rows | Bytes | Cost (%CPU) | Time |
|----|-----|-----|-----|-----|-----|-----|
--
| 0 | SELECT STATEMENT | | 14 | 280 | 4 (25) | 00:00:01 |
| 1 | HASH GROUP BY | | 14 | 280 | 4 (25) | 00:00:01 |
| 2 | TABLE ACCESS FULL | EMP | 14 | 280 | 3 (0) | 00:00:01 |
--
```

Note

- dynamic sampling used for this statement

```
SQL> ED
Wrote file afiedt.buf
```

```
1  SELECT Ename, SUM(Sal) SalSum
2  FROM Emp
3* GROUP BY ROLLUP(Ename)
```

```
SQL> /
```

```
ENAME          SALSUM
-----
ADAMS          1100
ALLEN          1600
BLAKE          2850
```

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038

Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
CLARK          2450
FORD           3000
JAMES          950
JONES          2975
KING           5000
MARTIN         1250
MILLER         1300
SCOTT          3000
SMITH          800
TURNER        1500
WARD           1250
              29025
```

15 rows selected.

Execution Plan

Plan hash value: 52302870

```
-----
| Id  | Operation                      | Name | Rows  | Bytes | Cost (%CPU)| Time     |
|-----|-----|-----|-----|-----|-----|-----|
| 0   | SELECT STATEMENT                |      | 14    | 280   | 4   (25)| 00:00:01 |
| 1   | SORT GROUP BY ROLLUP            |      | 14    | 280   | 4   (25)| 00:00:01 |
| 2   | TABLE ACCESS FULL              | EMP  | 14    | 280   | 3   (0) | 00:00:01 |
-----
```

Note

- dynamic sampling used for this statement

SQL> cl scr

```
SQL> SELECT
2 Job,
3 TO_CHAR(AVG(Sal), '99G999D99') JobSalAvg
4 FROM Emp
5 GROUP BY ROLLUP(Job);
```

```
JOB          JOBSALAVG
```

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038

Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
-----
ANALYST      3,000.00
CLERK        1,037.50
MANAGER      2,758.33
PRESIDENT    5,000.00
SALESMAN     1,400.00
              2,073.21
```

6 rows selected.

Execution Plan

Plan hash value: 52302870

```
-----
| Id  | Operation                      | Name | Rows  | Bytes | Cost (%CPU)| Time |
|-----|-----|-----|-----|-----|-----|-----|
| 0   | SELECT STATEMENT                |      | 14    | 266   | 4  (25) | 00:00:01 |
| 1   | SORT GROUP BY ROLLUP            |      | 14    | 266   | 4  (25) | 00:00:01 |
| 2   | TABLE ACCESS FULL              | EMP  | 14    | 266   | 3  (0)  | 00:00:01 |
|-----|-----|-----|-----|-----|-----|
```

Note

- dynamic sampling used for this statement

```
SQL> SELECT
2  Deptno,
3  SUM(Sal) SalSum,
4  AVG(Sal) AVGSal,
5  MAX(Sal) MaxSal,
6  MIN(Sal) MinSal
7  FROM Emp
8  GROUP BY ROLLUP (Deptno);
```

DEPTNO	SALSUM	AVGSAL	MAXSAL	MINSAL
10	8750	2916.66667	5000	1300
20	10875	2175	3000	800
30	9400	1566.66667	2850	950

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038

Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

29025 2073.21429 5000 800

Execution Plan

Plan hash value: 52302870

Id	Operation	Name	Rows	Bytes	Cost (%CPU)	Time
0	SELECT STATEMENT		14	364	4 (25)	00:00:01
1	SORT GROUP BY ROLLUP		14	364	4 (25)	00:00:01
2	TABLE ACCESS FULL	EMP	14	364	3 (0)	00:00:01

Note

- dynamic sampling used for this statement

SQL> cl scr

SQL> COLUMN Deptno FORMAT A15

SQL> SELECT

```
2 NVL(TO_CHAR(Deptno), 'All Departments') Deptno,
3 AVG(SAL) AVGSal
4 FROM Emp
5 GROUP BY ROLLUP(Deptno);
```

DEPTNO	AVGSAL
10	2916.66667
20	2175
30	1566.66667
All Departments	2073.21429

Execution Plan

Plan hash value: 52302870

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038

Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
-----
| Id | Operation | Name | Rows | Bytes | Cost (%CPU) | Time |
|-----|-----|-----|-----|-----|-----|-----|
| 0 | SELECT STATEMENT | | 14 | 364 | 4 (25) | 00:00:01 |
| 1 | SORT GROUP BY ROLLUP | | 14 | 364 | 4 (25) | 00:00:01 |
| 2 | TABLE ACCESS FULL | EMP | 14 | 364 | 3 (0) | 00:00:01 |
|-----|-----|-----|-----|-----|-----|
```

Note

- dynamic sampling used for this statement

SQL> ED

Wrote file afiedt.buf

```
1 SELECT
2 NVL(TO_CHAR(Deptno), 'All Departments') Deptno,
3 SUM(SAL) SumSal
4 FROM Emp
5* GROUP BY ROLLUP(Deptno)
SQL> /
```

DEPTNO	SUMSAL
10	8750
20	10875
30	9400
All Departments	29025

Execution Plan

Plan hash value: 52302870

```
-----
| Id | Operation | Name | Rows | Bytes | Cost (%CPU) | Time |
|-----|-----|-----|-----|-----|-----|
```

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038

Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
-----
| 0 | SELECT STATEMENT | | 14 | 364 | 4 (25) |
00:00:01 |
| 1 | SORT GROUP BY ROLLUP | | 14 | 364 | 4 (25) |
00:00:01 |
| 2 | TABLE ACCESS FULL | EMP | 14 | 364 | 3 (0) |
00:00:01 |
-----
```

Note

- dynamic sampling used for this statement

SQL> cl scr

```
SQL> SELECT Deptno, Job, SUM(Sal)
2 FROM Emp
3 GROUP BY Deptno, Job
4 ORDER BY Deptno;
```

DEPTNO	JOB	SUM(SAL)
#####	CLERK	1300
#####	MANAGER	2450
#####	PRESIDENT	5000
#####	ANALYST	6000
#####	CLERK	1900
#####	MANAGER	2975
#####	CLERK	950
#####	MANAGER	2850
#####	SALESMAN	5600

9 rows selected.

Execution Plan

Plan hash value: 15469362

```
-----
--
| Id | Operation | Name | Rows | Bytes | Cost (%CPU) | Time |
|-----|-----|-----|-----|-----|-----|-----|
| 0 | SELECT STATEMENT | | 14 | 448 | 4 (25) | 00:00:01 |
|
```

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038

Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
-----
| 1 | SORT GROUP BY | | 14 | 448 | 4 (25) | 00:00:01
|
| 2 | TABLE ACCESS FULL| EMP | 14 | 448 | 3 (0) | 00:00:01
|
-----
```

Note

- dynamic sampling used for this statement

SQL> COL Deptno FORMAT 9999

SQL> R

```
1 SELECT Deptno, Job, SUM(Sal)
2 FROM Emp
3 GROUP BY Deptno, Job
4* ORDER BY Deptno
```

DEPTNO	JOB	SUM(SAL)
10	CLERK	1300
10	MANAGER	2450
10	PRESIDENT	5000
20	ANALYST	6000
20	CLERK	1900
20	MANAGER	2975
30	CLERK	950
30	MANAGER	2850
30	SALESMAN	5600

9 rows selected.

Execution Plan

Plan hash value: 15469362

```
-----
--
| Id | Operation | Name | Rows | Bytes | Cost (%CPU) | Time |
|-----|-----|-----|-----|-----|-----|-----|
| 0 | SELECT STATEMENT | | 14 | 448 | 4 (25) | 00:00:01 |
| 1 | SORT GROUP BY | | 14 | 448 | 4 (25) | 00:00:01 |
|-----|-----|-----|-----|-----|-----|
```

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038

Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
-----
| 2 | TABLE ACCESS FULL| EMP | 14 | 448 | 3 (0) | 00:00:01
|
```

Note

- dynamic sampling used for this statement

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Deptno, Job, SUM(Sal)
2 FROM Emp
3* GROUP BY ROLLUP(Deptno, Job)
SQL> /
```

DEPTNO	JOB	SUM(SAL)
10	CLERK	1300
10	MANAGER	2450
10	PRESIDENT	5000
10		8750
20	CLERK	1900
20	ANALYST	6000
20	MANAGER	2975
20		10875
30	CLERK	950
30	MANAGER	2850
30	SALESMAN	5600
30		9400
		29025

13 rows selected.

Execution Plan

Plan hash value: 52302870

```
-----
| Id | Operation | Name | Rows | Bytes | Cost (%CPU) | Time |
|-----|-----|-----|-----|-----|-----|-----|
| 0 | SELECT STATEMENT | | 14 | 448 | 4 (25) | 00:00:01 |
```

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038

Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
.....
| 1 | SORT GROUP BY ROLLUP|      | 14 | 448 | 4 (25) |
00:00:01 |
| 2 | TABLE ACCESS FULL | EMP | 14 | 448 | 3 (0) |
00:00:01 |
-----
```

Note

- dynamic sampling used for this statement

SQL> cl scr

SQL> COLUMN Deptno FORMAT 99

SQL> SELECT Job, Deptno, SUM(Sal) Salary

2 From Emp

3 GROUP BY ROLLUP(Job, Deptno);

JOB	DEPTNO	SALARY
CLERK	10	1300
CLERK	20	1900
CLERK	30	950
CLERK		4150
ANALYST	20	6000
ANALYST		6000
MANAGER	10	2450
MANAGER	20	2975
MANAGER	30	2850
MANAGER		8275
SALESMAN	30	5600
SALESMAN		5600
PRESIDENT	10	5000
PRESIDENT		5000
		29025

15 rows selected.

Execution Plan

Plan hash value: 52302870

Id	Operation	Name	Rows	Bytes	Cost (%CPU)	Time
----	-----------	------	------	-------	-------------	------

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038

Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
-----  
-----  
| 0 | SELECT STATEMENT | | 14 | 448 | 4 (25) |  
00:00:01 |  
| 1 | SORT GROUP BY ROLLUP | | 14 | 448 | 4 (25) |  
00:00:01 |  
| 2 | TABLE ACCESS FULL | EMP | 14 | 448 | 3 (0) |  
00:00:01 |  
-----  
-----
```

Note

- dynamic sampling used for this statement

SQL> SPOOL OFF

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038

Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Follow Me: <https://www.facebook.com/satishkumar.yellanki>